

## WHAT IS CLAIMED IS:

1. A hemispherical resonator comprising a bell fixed on a base which carries main electrodes extending in register with an edge of the bell, and a shield electrode adjacent to the main electrode, wherein the shield electrode is subdivided into at least two portions each presenting auxiliary electrodes extending between the main electrodes.  
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- 10 2. A resonator according to claim 1, wherein the shield electrode comprises a first portion in the form of a central disk from which the auxiliary electrodes extend radially outwards, and a second portion in the form of a ring which extends around the main electrodes and from which the auxiliary electrodes extend radially inwards.  
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- 20 3. A resonator according to claim 1, wherein the auxiliary electrodes belonging to each of the portions of the shield electrode extend between the main electrodes in regular alternation.